(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 9 March 2006 (09.03.2006)

(10) International Publication Number WO 2006/024676 A3

(51) International Patent Classification: **B29C 33/56** (2006.01) B29C 33/38 (2006.01)

(21) International Application Number:

PCT/EP2005/055858

(22) International Filing Date:

9 November 2005 (09.11.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

04270010.4

17 November 2004 (17.11.2004)

(71) Applicant (for all designated States except US): HUNTS-MAN ADVANCED MATERIALS (SWITZERLAND) GmbH [CH/CH]; Klybeckstrasse 200, CH-4057 Basel (CH).

- (72) Inventor; and
- (75) Inventor/Applicant (for US only): CLEAVER, Matthew

[GB/GB]; 15 Hill Top View, Sutton in Ashfield, Nottinghamshire NG17 1LP (GB).

- (74) Agents: BARUH, Colette et al.; HUNTSMAN (EU-ROPE) BVBA, Intellectual Property Department, Everslaan 45, B-3078 Everberg (BE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

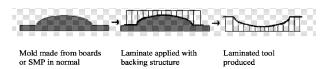
(54) Title: METHOD OF MAKING HIGH TEMPERATURE RESISTANT MODELS OR TOOLS

TOOL PRODUCTION PROCESSES

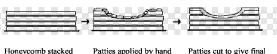
Traditional Process: Lengthy, requiring master

Boeing Process: Assembly using different adhesive and hand applied paddies Present Invention: Streamlined process Using a machine dispensed curable paste which is both adhesive and a machinable coating

Traditional process



Bocing process



together and cured

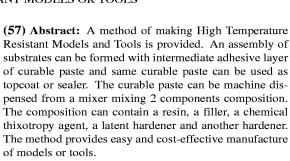
Patties applied by hand

Patties cut to give final

New patent



Honeycomb stacked and Part cured and then cut to give final tool stuck together with SMF



WO 2006/024676 A3



FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

— with international search report

- upon request of the applicant, before the expiration of the time limit referred to in Article 21(2)(a)
- (88) Date of publication of the international search report: 27 July 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.